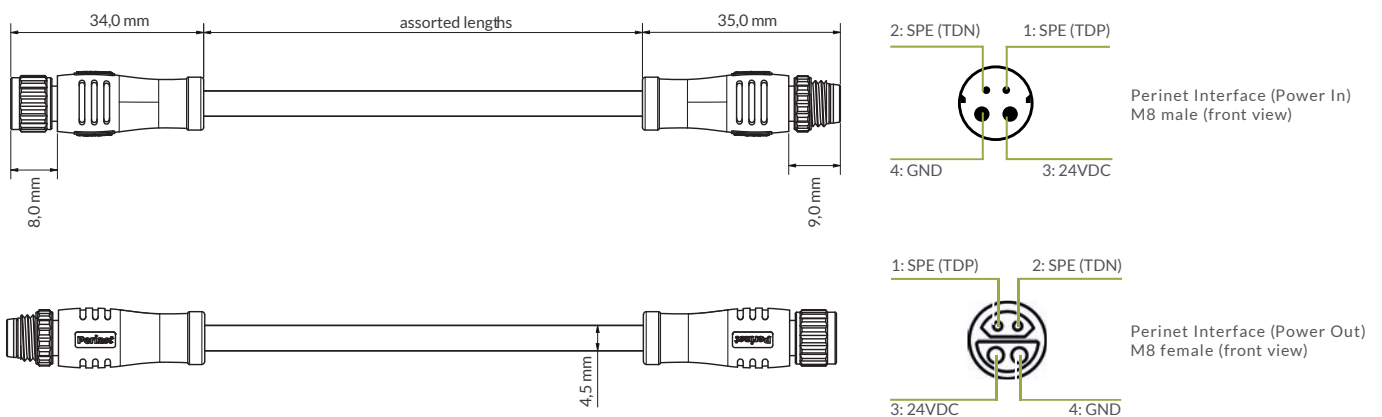




Key Features

- PUR jacket cable with M8 hybrid SPE connectors
- 2 wires for data transmission (100Mbit/s)
- 2 wires for power transmission (24VDC)
- Available in different length

Dimensional Drawing & Pinout



The periLINE hybrid SPE cable connects Perinet Smart Components within the Seamless IoT Connectivity system.

It carries both data and power supply and, thereby, facilitates easy and straight-forward deployment.

Assorted cable lengths allow for adaptation to any given use case, setting or environment, from industrial production lines to commercial applications and smart buildings, to name but a few.

Area of application

periLINE comes in assorted lengths for flexible deployment in various IoT and IIoT use case settings.

Please note that periLINE is not designed for real-time or safety-critical applications.



periLINE hybrid SPE cable

Assorted lengths from 0.2m to 5m
Part no. (1m): PRN.000.009

Technical Specifications

Perinet Interface (Power In)

Type	M8 male connector according to IEC 63171-6:2020 (style 6P-M8C without shielding)
Communication	100BASE-T1 Single Pair Ethernet (IEEE 802.3bw)
Power	24VDC input

Perinet Interface (Power Out)

Type	M8 female connector according to IEC 63171-6:2020 (style 6P-M8C without shielding)
Communication	100BASE-T1 Single Pair Ethernet (IEEE 802.3bw)
Power	24VDC output

Cable

Type	Special-PVC control cable adapted to DIN VDE 0285-525-2-51/DIN EN 50525-2-51
Compliance	ROHS 2.0 requirements

Material

Conductor - Braiding - Insulation - Separator/Filler - Jacket	Stranded Tinned Copper - Tinned Copper - PE/SR-PVC - Cotton - PUR
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Physical and Electrical Performance

Rated Voltage & Temperature	300V, +80°C
Temperature Range	-40°C...+80°C
Max. DC Conductor Resistance at 20°C	26AWG: 150Ω/km; 20AWG: 36.7Ω/km
Min. Insulation Resistance at 20°C	100MΩ*km

Characteristic Impedance

Impedance	100±15Ω, 1MHz
Dielectric Strength	2.0kV/1min, AC

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